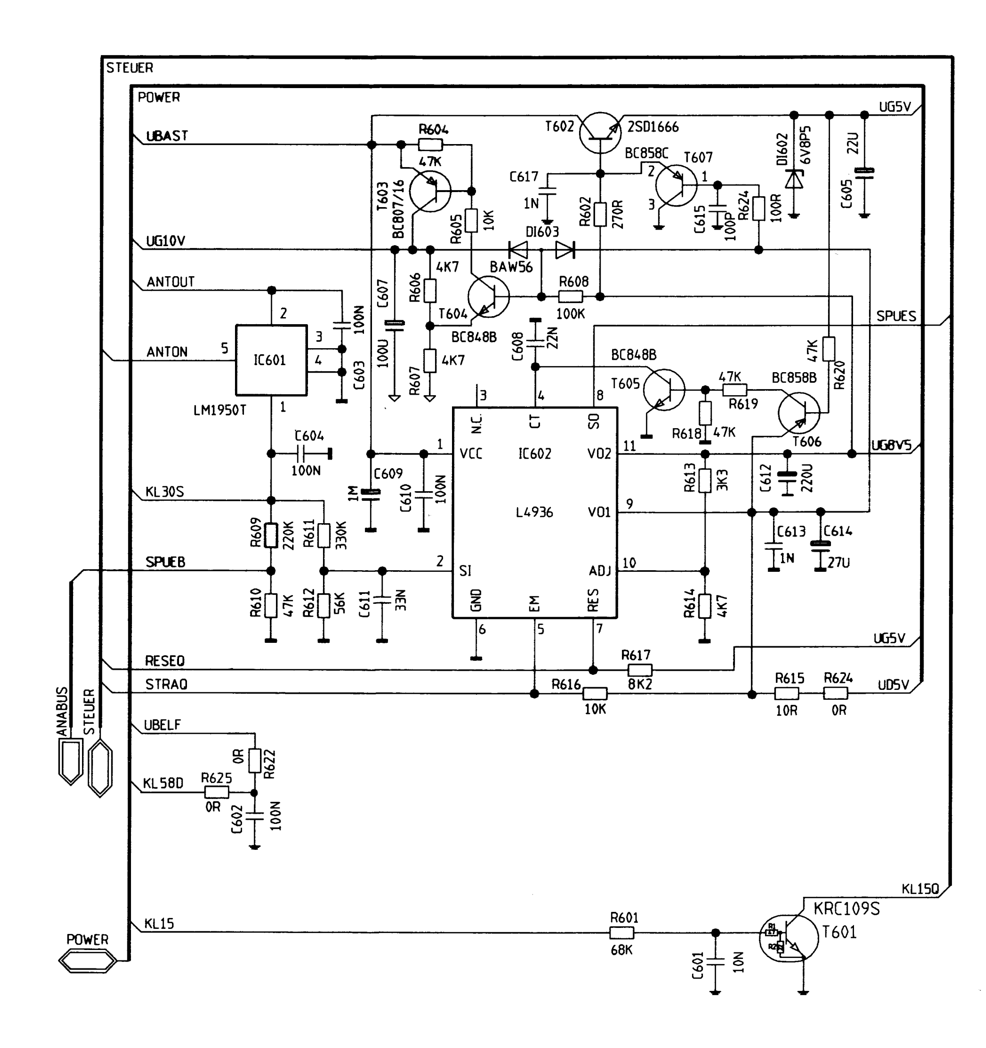
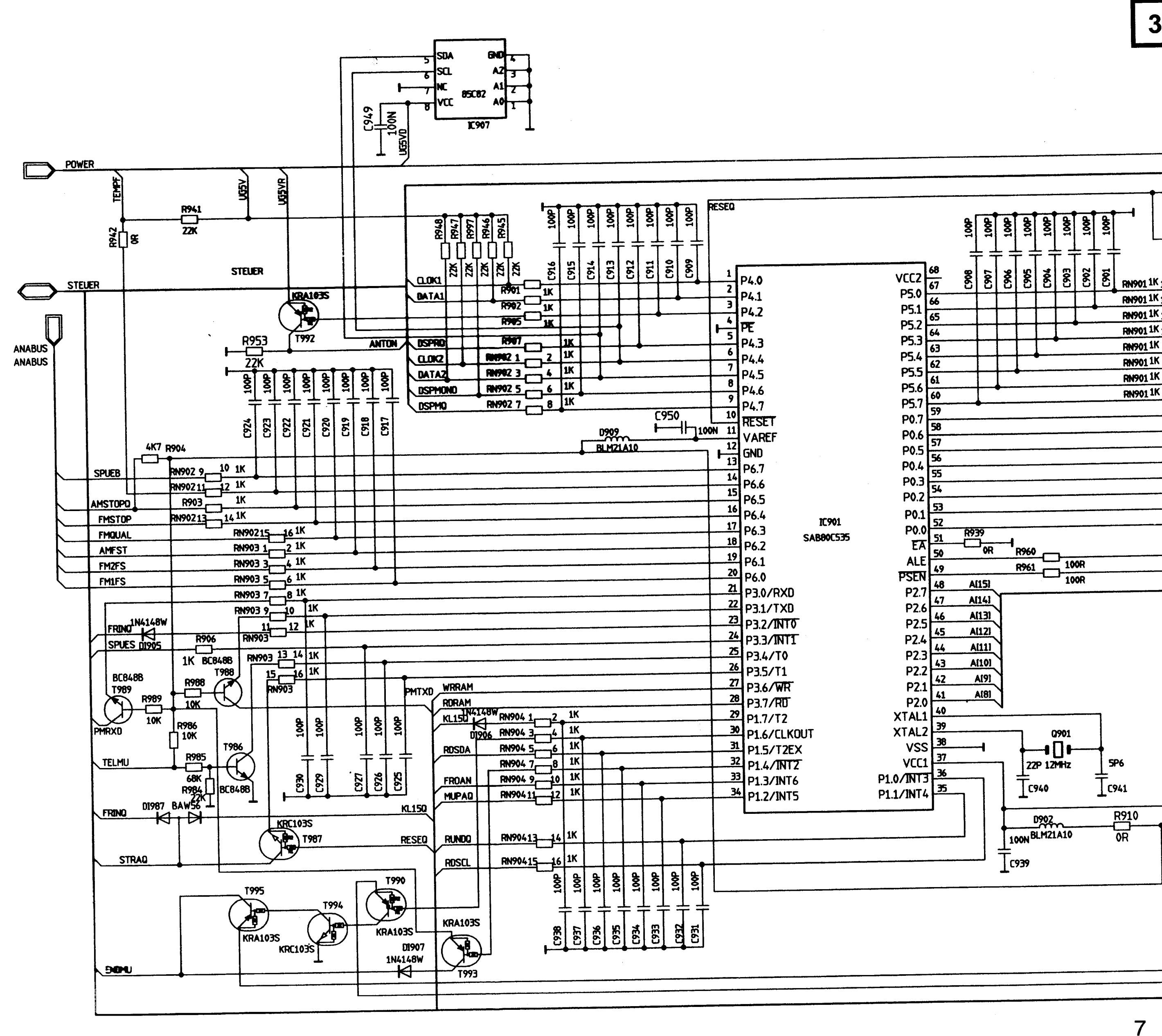
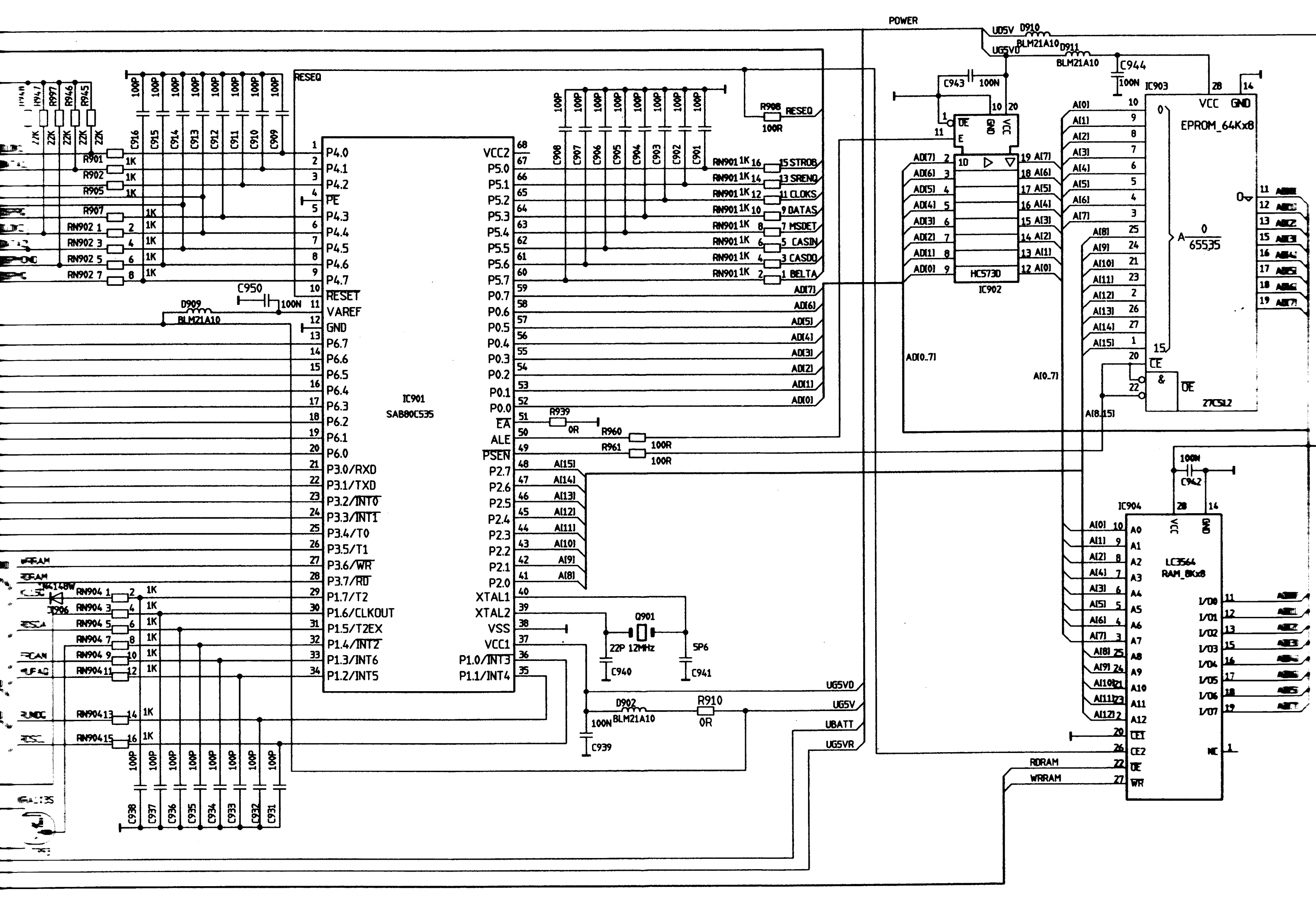
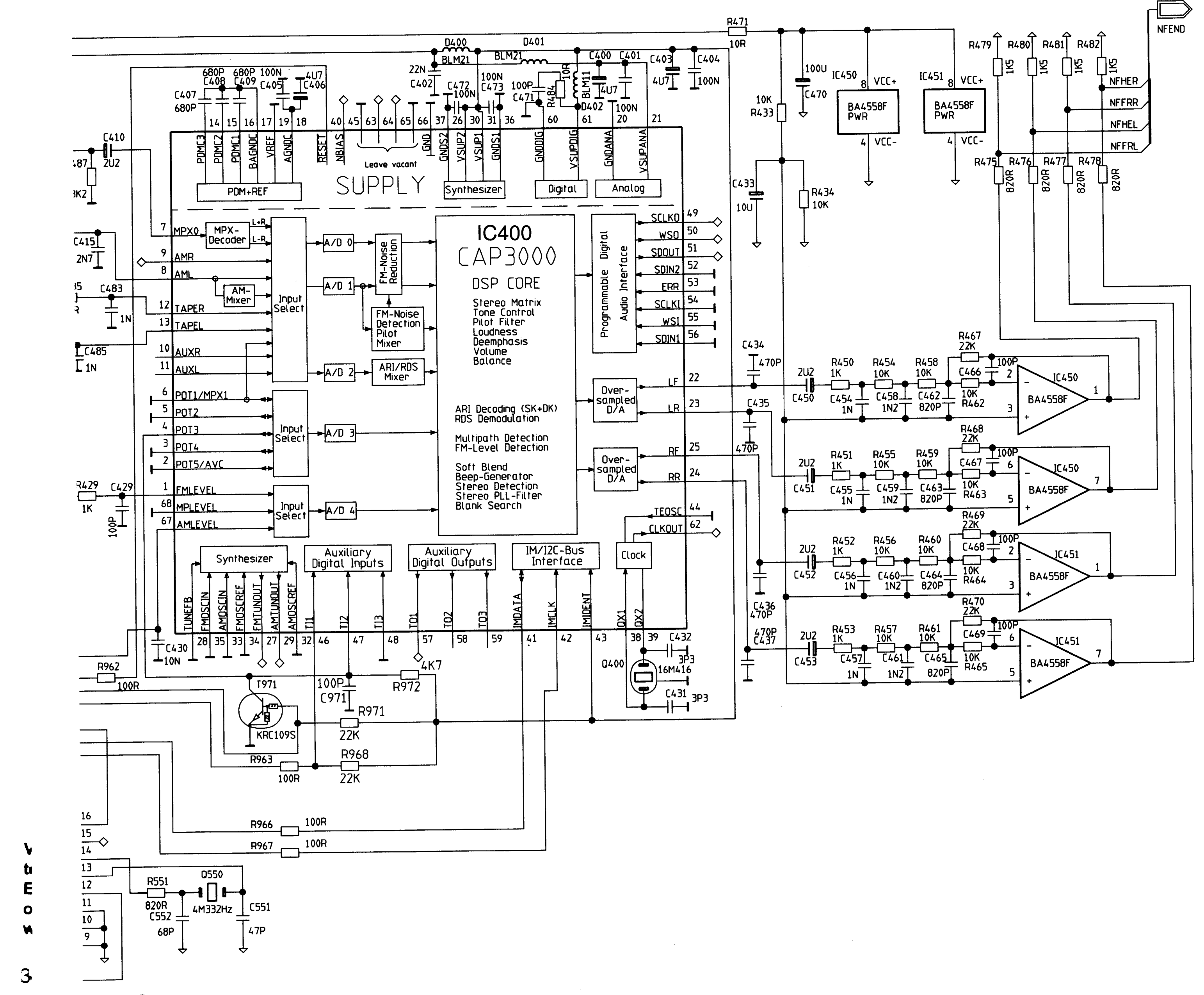

STEUER
POWER
UBAST
UG10V
ANTOUT
ANTON
KL30S
SPUEB
RESEQ
STRAQ
UBELF
KL58D
KL15
UG5V
SPUES
UG8V5
UD5V
KL15Q
R604
47K
T603
BC807/16
R605
10K
T602
2SD1666
C617
1N
R602
270R
BC858C
T607
C615
100P
R624
100R
DI602
6V8P5
22U
C605
DI603
BAW56
R606
4K7
C607
100U
T604
BC848B
R608
100K
R607
IC601
LM1950T
100N
C603
C604
C608
22N
BC848B
T605
47K
R619
BC858B
T606
R620
R618
IC602
L4936
N.C.
CT
SO
VCC
VO2
VO1
SI
ADJ
GND
EM
RES
C609
1M
C610
R613
3K3
C612
220U
C613
C614
27U
R609
220K
R611
330K
R610
R612
56K
C611
33N
R614
R617
8K2
R616
10K
R615
10R
0R
ANABUS
R622
R625
C602
R601
68K
C601
10N
KRC109S
T601

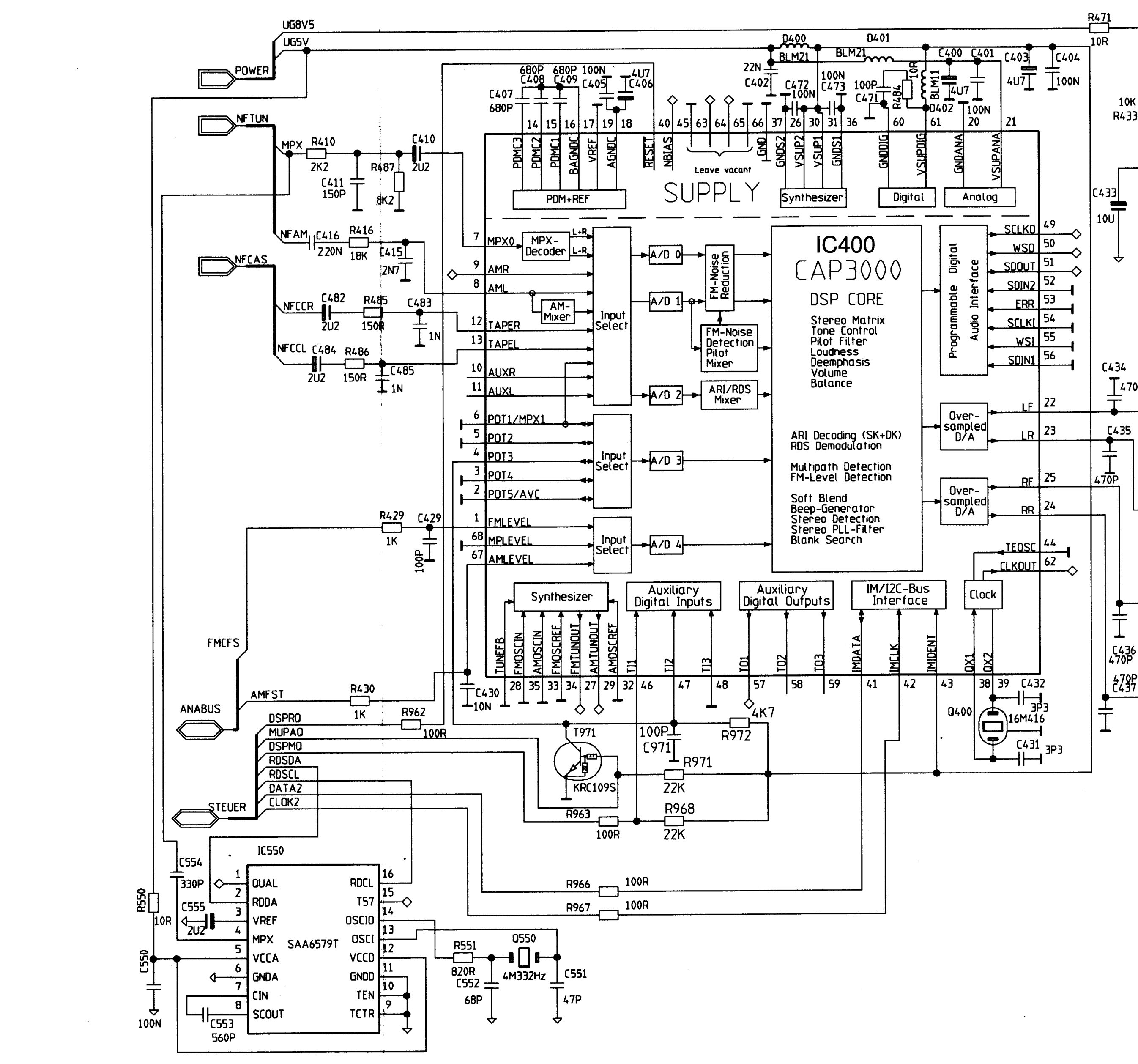


POWER
STEUER
ANABUS
ANABUS
TEMPF
UG5V
UG5VR
R941
22K
R942
0R
STEUER
KRA103S
T992
R953
22K
ANTON
SDA
SCL
NC
VCC
GND
A2
A1
A0
85C82
IC907
C949
100N
UG5VD
RESEQ
CLOK1
DATA1
DSPRD
CLOK2
DATA2
DSPMONO
DSPMO
P4.0
P4.1
P4.2
PE
P4.3
P4.4
P4.5
P4.6
P4.7
RESET
VAREF
GND
P6.7
P6.6
P6.5
P6.4
P6.3
P6.2
P6.1
P6.0
P3.0/RXD
P3.1/TXD
P3.2/INT0
P3.3/INT1
P3.4/T0
P3.5/T1
P3.6/WR
P3.7/RD
P1.7/T2
P1.6/CLKOUT
P1.5/T2EX
P1.4/INT2
P1.3/INT6
P1.2/INT5
IC901
SAB80C535
VCC2
P5.0
P5.1
P5.2
P5.3
P5.4
P5.5
P5.6
P5.7
P0.7
P0.6
P0.5
P0.4
P0.3
P0.2
P0.1
P0.0
EA
ALE
PSEN
P2.7
P2.6
P2.5
P2.4
P2.3
P2.2
P2.1
P2.0
XTAL1
XTAL2
VSS
VCC1
P1.0/INT3
P1.1/INT4
C950
100N
D909
BLM21A10
R939
0R
R960
R961
100R
Q901
12MHz
22P
5P6
C940
C941
D902
BLM21A10
R910
0R
100N
C939
SPUEB
AMSTOPO
FMSTOP
FMQUAL
AMFST
FM2FS
FM1FS
FRINQ
SPUES
TELMU
FRINQ
STRAQ
PMRXD
PMTXD
WRRAM
RDRAM
KL15Q
RDSDA
FROAN
MUPAQ
RUNDQ
RDSCL
RESEQ
KL15Q
4K7
R904
BC848B
T989
R989
10K
R988
10K
T988
R906
1K
D1905
1N4148W
R986
10K
R985
68K
R984
22K
T986
BC848B
D1987
BAW56
KRC103S
T987
T995
KRA103S
T994
KRC103S
T990
KRA103S
KRA103S
T993
D1907
1N4148W
D1906
1N4148W
ENDMU

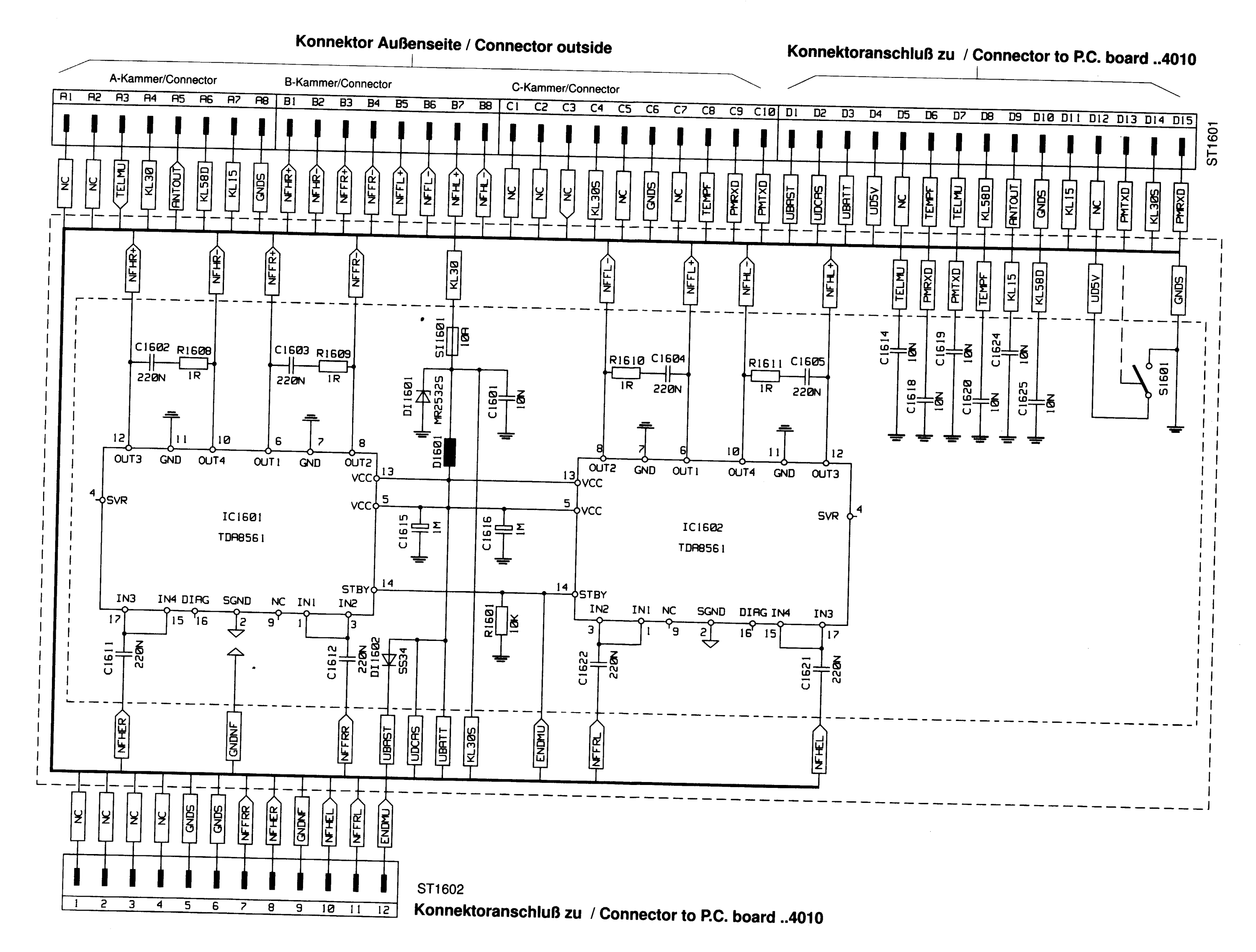


POWER
RESEQ
IC901
SAB80C535
P4.0
P4.1
P4.2
PE
P4.3
P4.4
P4.5
P4.6
P4.7
RESET
VAREF
GND
P6.7
P6.6
P6.5
P6.4
P6.3
P6.2
P6.1
P6.0
P3.0/RXD
P3.1/TXD
P3.2/INT0
P3.3/INT1
P3.4/T0
P3.5/T1
P3.6/WR
P3.7/RD
P1.7/T2
P1.6/CLKOUT
P1.5/T2EX
P1.4/INT2
P1.3/INT6
P1.2/INT5
VCC2
P5.0
P5.1
P5.2
P5.3
P5.4
P5.5
P5.6
P5.7
P0.7
P0.6
P0.5
P0.4
P0.3
P0.2
P0.1
P0.0
EA
ALE
PSEN
P2.7
P2.6
P2.5
P2.4
P2.3
P2.2
P2.1
P2.0
XTAL1
XTAL2
VSS
VCC1
P1.0/INT3
P1.1/INT4
STROB
SRENQ
CLOKS
DATAS
MSDET
CASIN
CASDO
BELTA
C950 100N
D909 BLM21A10
R939 0R
R960 100R
R961 100R
Q901 12MHz
22P C940
5P6 C941
D902 BLM21A10
R910 0R
100N C939
UG5VD
UG5V
UBATT
UG5VR
U05V D910 BLM21A10
UG5VD D911 BLM21A10
C943 100N
C944 100N
IC902
HC573D
AD(0..7)
A(0..7)
A(8..15)
IC903
EPROM_64Kx8
VCC GND
27C512
CE
OE
0
65535
IC904
LC3564
RAM_8Kx8
VCC GND
CE1
CE2
OE
WR
NC
RDRAM
WRRAM
C942 100N
I/O0
I/O1
I/O2
I/O3
I/O4
I/O5
I/O6
I/O7
RN901 1K
RN902
RN904
R901 1K
R902 1K
R905 1K
R907 1K
R908 100R
R997
R946
R945
22K
C916
C915
C914
C913
C912
C911
C910
C909
C908
C907
C906
C905
C904
C903
C902
C901
C938
C937
C936
C935
C934
C933
C932
C931
100P
D906
1N4148W
WRRAM
RDRAM


IC400
CAP3000
DSP CORE
Stereo Matrix
Tone Control
Pilot Filter
Loudness
Deemphasis
Volume
Balance
ARI Decoding (SK+DK)
RDS Demodulation
Multipath Detection
FM-Level Detection
Soft Blend
Beep-Generator
Stereo Detection
Stereo PLL-Filter
Blank Search
SUPPLY
Leave vacant
PDM+REF
Synthesizer
Digital
Analog
MPX-Decoder
AM-Mixer
Input Select
A/D 0
A/D 1
A/D 2
A/D 3
A/D 4
FM-Noise Reduction
FM-Noise Detection Pilot Mixer
ARI/RDS Mixer
Programmable Digital Audio Interface
Over-sampled D/A
Auxiliary Digital Inputs
Auxiliary Digital Outputs
IM/I2C-Bus Interface
Clock
BA4558F PWR
IC450
IC451
VCC+
VCC-
NFEND
NFHER
NFFRR
NFHEL
NFFRL
T971
KRC109S
Q400
16M416
Q550
4M332Hz

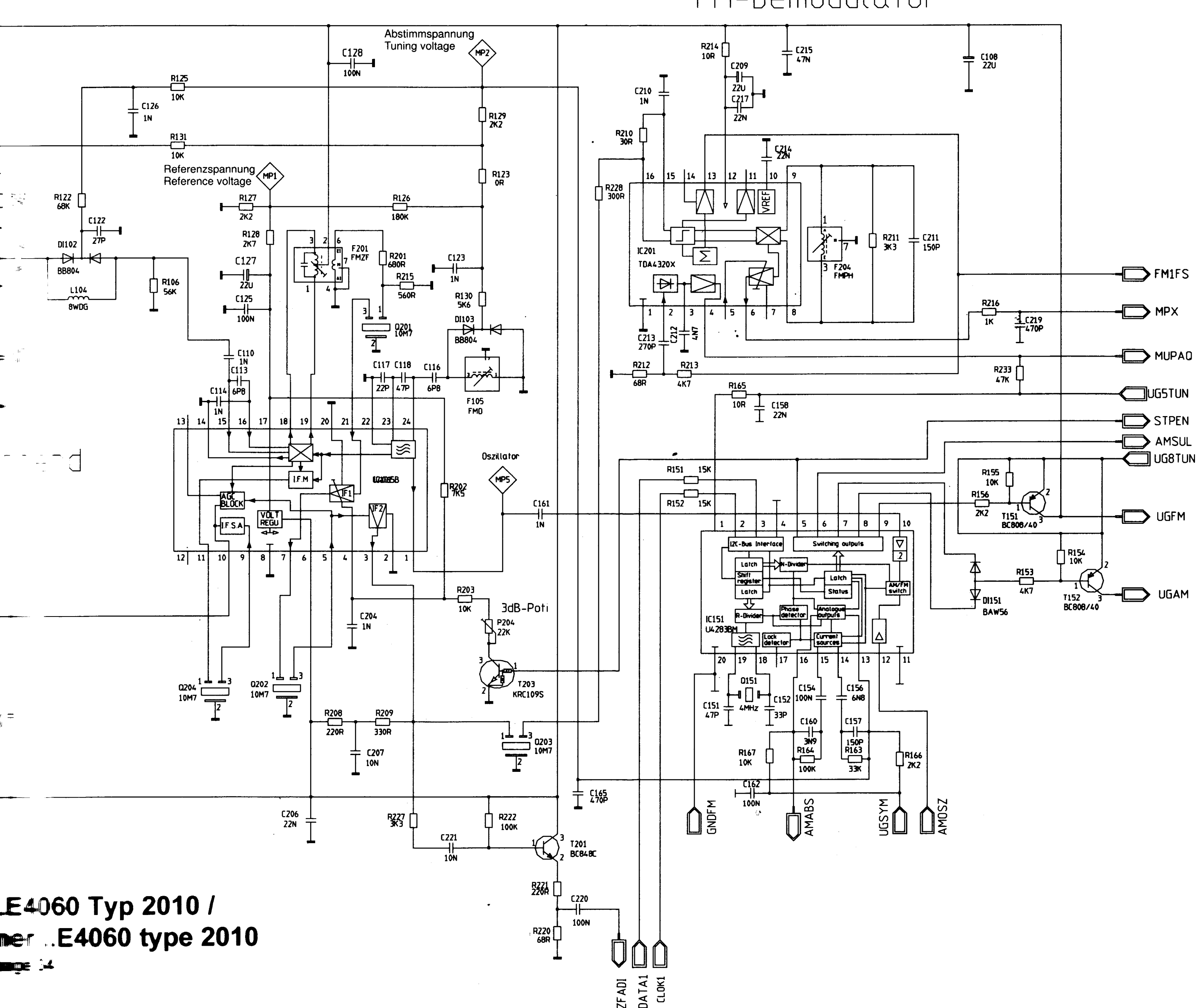


IC400
CAP3000
DSP CORE
Stereo Matrix
Tone Control
Pilot Filter
Loudness
Deemphasis
Volume
Balance
ARI Decoding (SK+DK)
RDS Demodulation
Multipath Detection
FM-Level Detection
Soft Blend
Beep-Generator
Stereo Detection
Stereo PLL-Filter
Blank Search
SUPPLY
Leave vacant
PDM+REF
Synthesizer
Digital
Analog
MPX-Decoder
AM-Mixer
Input Select
A/D 0
A/D 1
A/D 2
A/D 3
A/D 4
FM-Noise Reduction
FM-Noise Detection Pilot Mixer
ARI/RDS Mixer
Programmable Digital Audio Interface
Over-sampled D/A
Clock
Auxiliary Digital Inputs
Auxiliary Digital Outputs
IM/I2C-Bus Interface
POWER
NFTUN
NFCAS
ANABUS
STEUER
UG8V5
UG5V
MPX
NFAM
NFCCR
NFCCL
FMCFS
AMFST
DSPRO
MUPAQ
DSPMO
RDSDA
RDSCL
DATA2
CLOK2
IC550
SAA6579T
QUAL
RDDA
VREF
MPX
VCCA
GNDA
CIN
SCOUT
RDCL
T57
OSCIO
OSCI
VCCD
GNDD
TEN
TCTR
T971
KRC109S
Q400
16M416
Q550
4M332Hz
R471 10R
R433 10K
R410 2K2
R487 8K2
R416 18K
R485 150R
R486 150R
R429 1K
R430 1K
R962 100R
R963 100R
R968 22K
R971 22K
R972 4K7
R966 100R
R967 100R
R550 10R
R551 820R
R484 10R
C400 4U7
C401 100N
C402 22N
C403 4U7
C404 100N
C405 100N
C406 4U7
C407 680P
C408 680P
C409 680P
C410 2U2
C411 150P
C415 2N7
C416 220N
C429 100P
C430 10N
C431 3P3
C432 3P3
C433 10U
C434 470
C435 470P
C436 470P
C437 470P
C471 100P
C472 100N
C473 100N
C482 2U2
C483 1N
C484 2U2
C485 1N
C550 100N
C551 47P
C552 68P
C553 560P
C554 330P
C555 2U2
C971 100P
D400 BLM21
D401 BLM21
D402 BLM11
PDMC3
PDMC2
PDMC1
BAGNDC
VREF
AGNDC
RESET
NBIAS
GND
GNDS2
VSUP2
VSUP1
GNDS1
GNDDIG
VSUPDIG
GNDANA
VSUPANA
MPXO
AMR
AML
TAPER
TAPEL
AUXR
AUXL
POT1/MPX1
POT2
POT3
POT4
POT5/AVC
FMLEVEL
MPLEVEL
AMLEVEL
SCLKO
WSO
SDOUT
SDIN2
ERR
SCLKI
WSI
SDIN1
LF
LR
RF
RR
TEOSC
CLKOUT
TUNEFB
FMOSCIN
AMOSCIN
FMOSCREF
FMTUNOUT
AMTUNOUT
AMOSCREF
TI1
TI2
TI3
TO1
TO2
TO3
IMDATA
IMCLK
IMIDENT
QX1
QX2



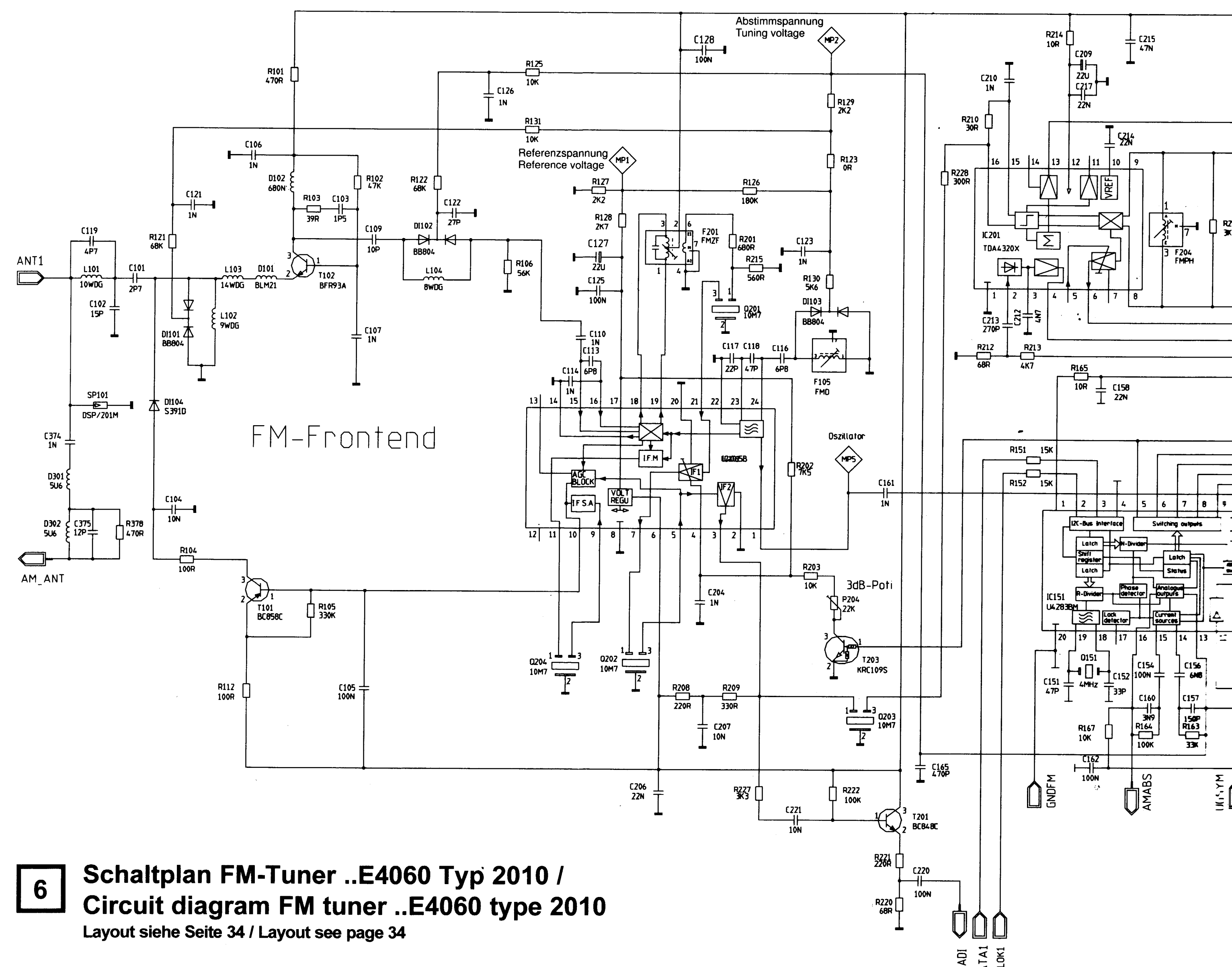
Konnektor Außenseite / Connector outside
Konnektoranschluß zu / Connector to P.C. board ..4010
A-Kammer/Connector
B-Kammer/Connector
C-Kammer/Connector
ST1601
IC1601
TDA8561
IC1602
TDA8561
ST1602
Konnektoranschluß zu / Connector to P.C. board ..4010

FM-Demodulator



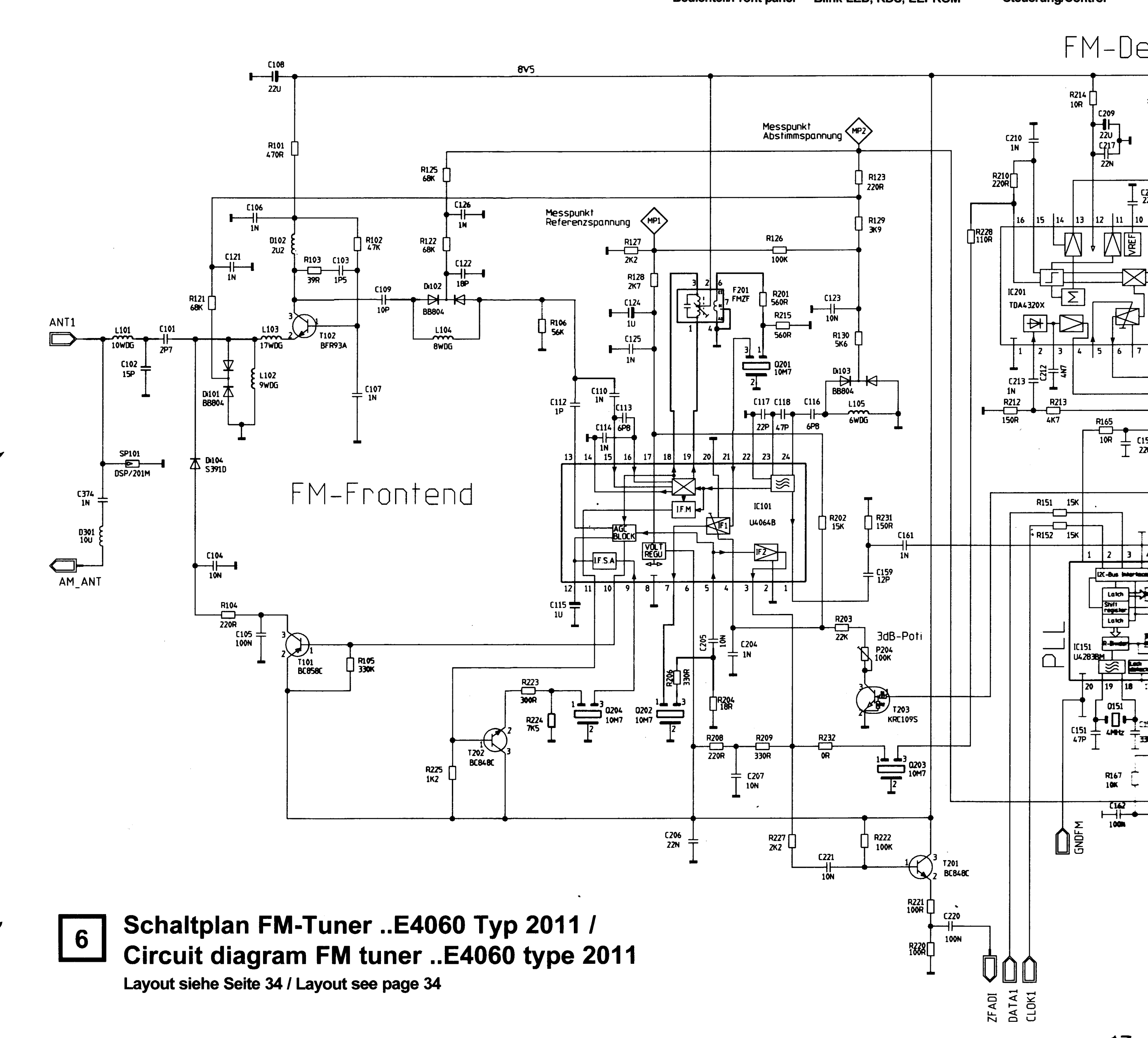
.E4060 Typ 2010 /

..E4060 type 2010



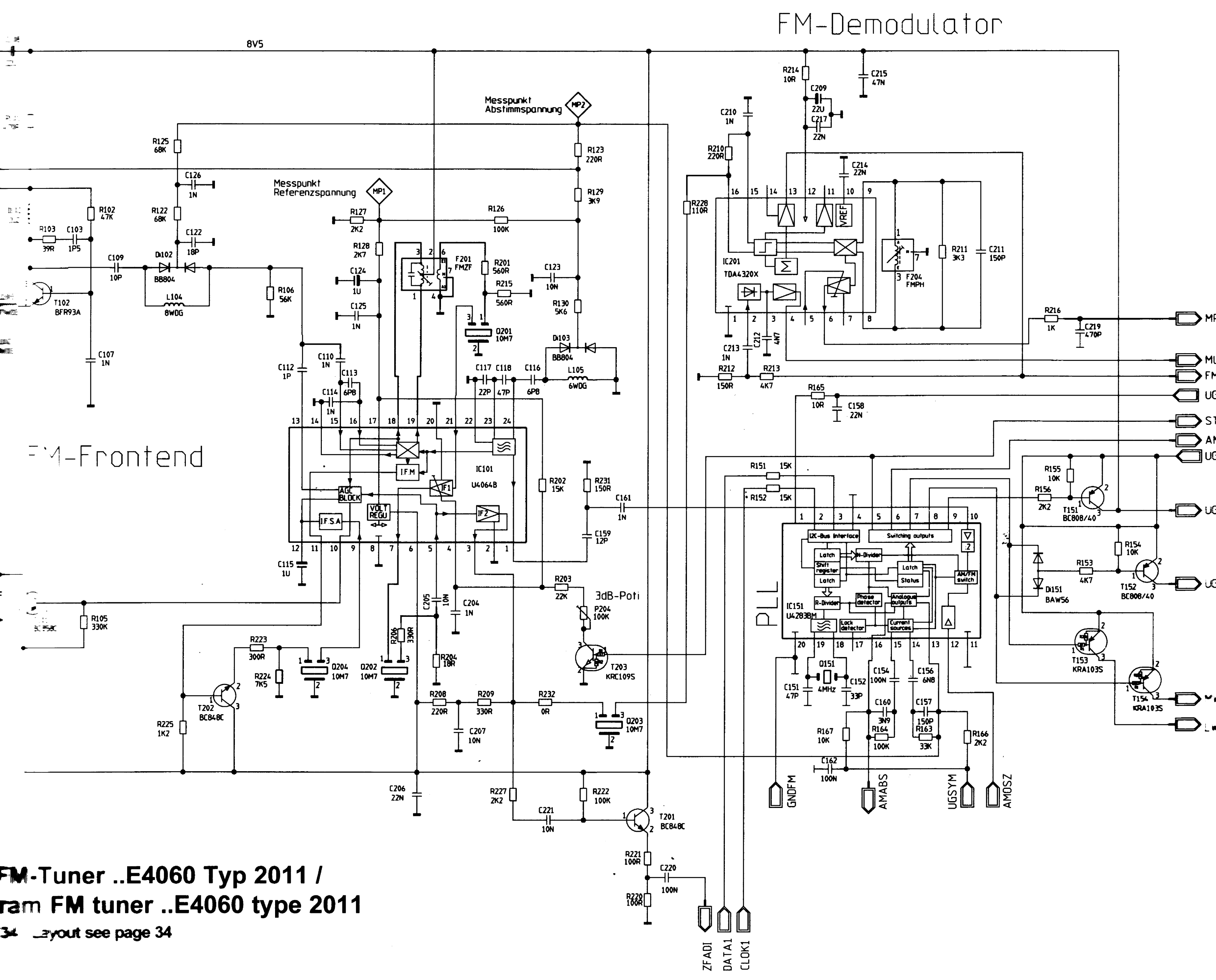
6

Schaltplan FM-Tuner ..E4060 Typ 2010 /
Circuit diagram FM tuner ..E4060 type 2010
Layout siehe Seite 34 / Layout see page 34



6 Schaltplan FM-Tuner ..E4060 Typ 2011 / Circuit diagram FM tuner ..E4060 type 2011

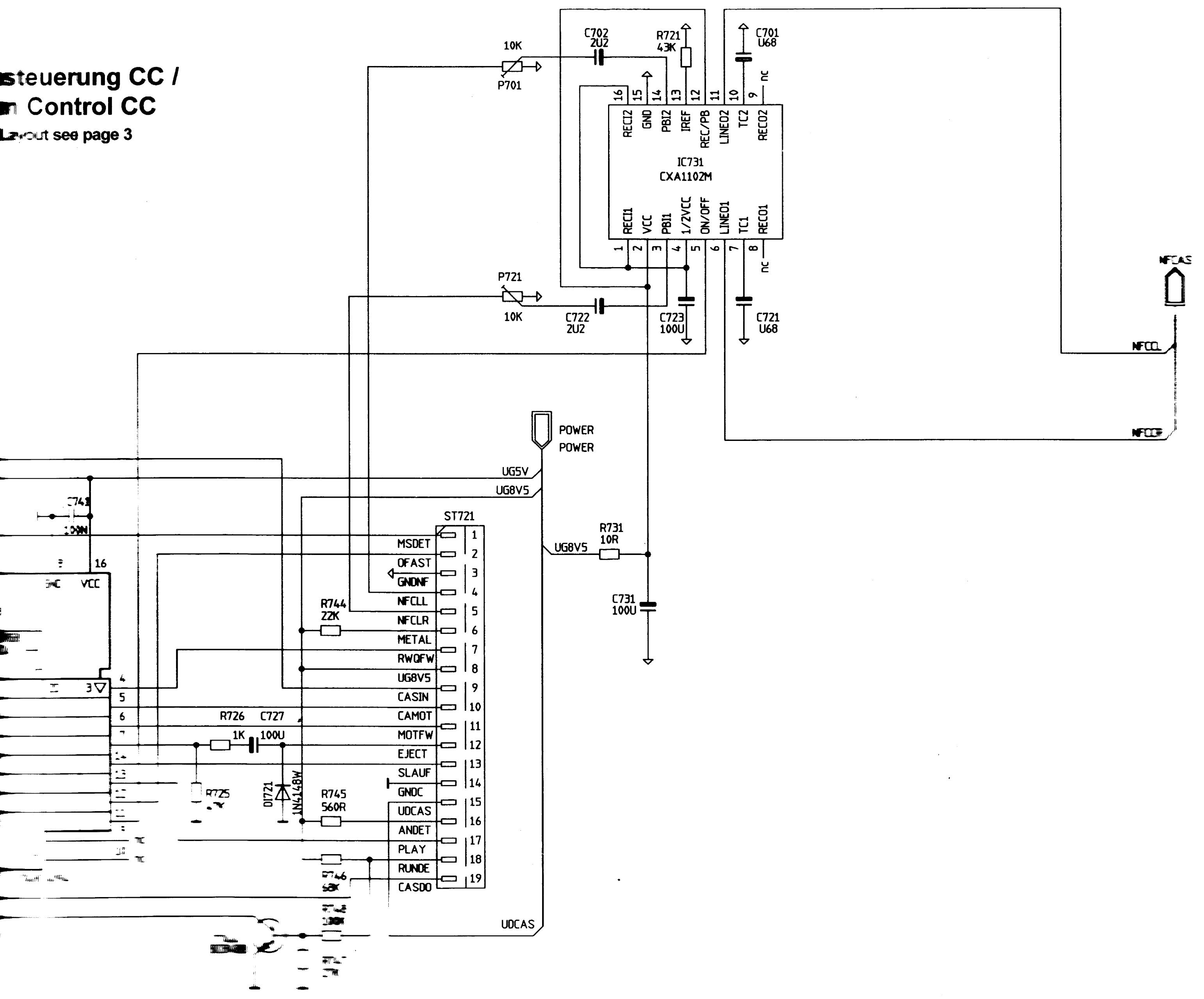
Layout siehe Seite 34 / Layout see page 34



FM-Tuner ..E4060 Typ 2011 /

ram FM tuner ..E4060 type 2011

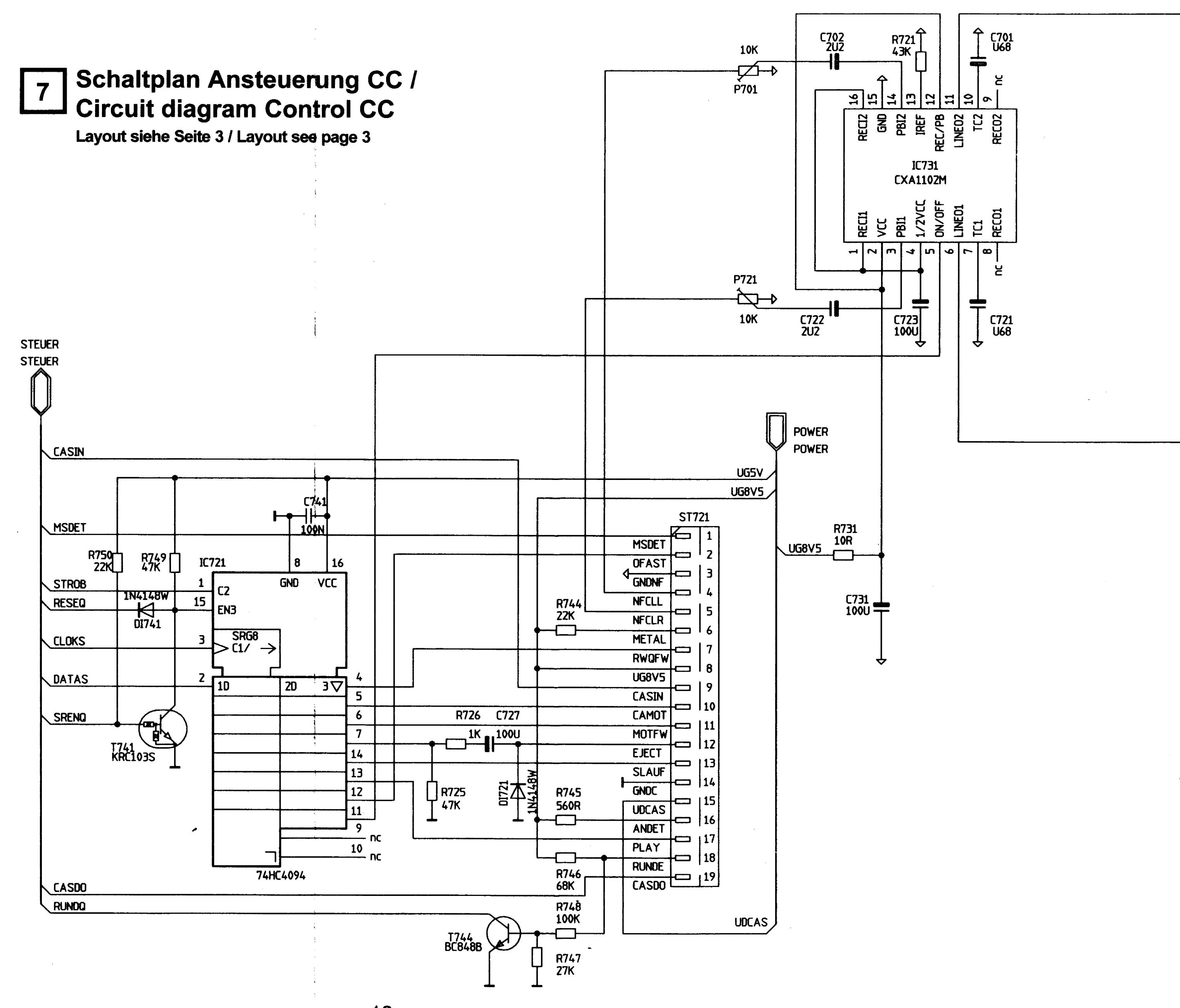
Layout see page 34

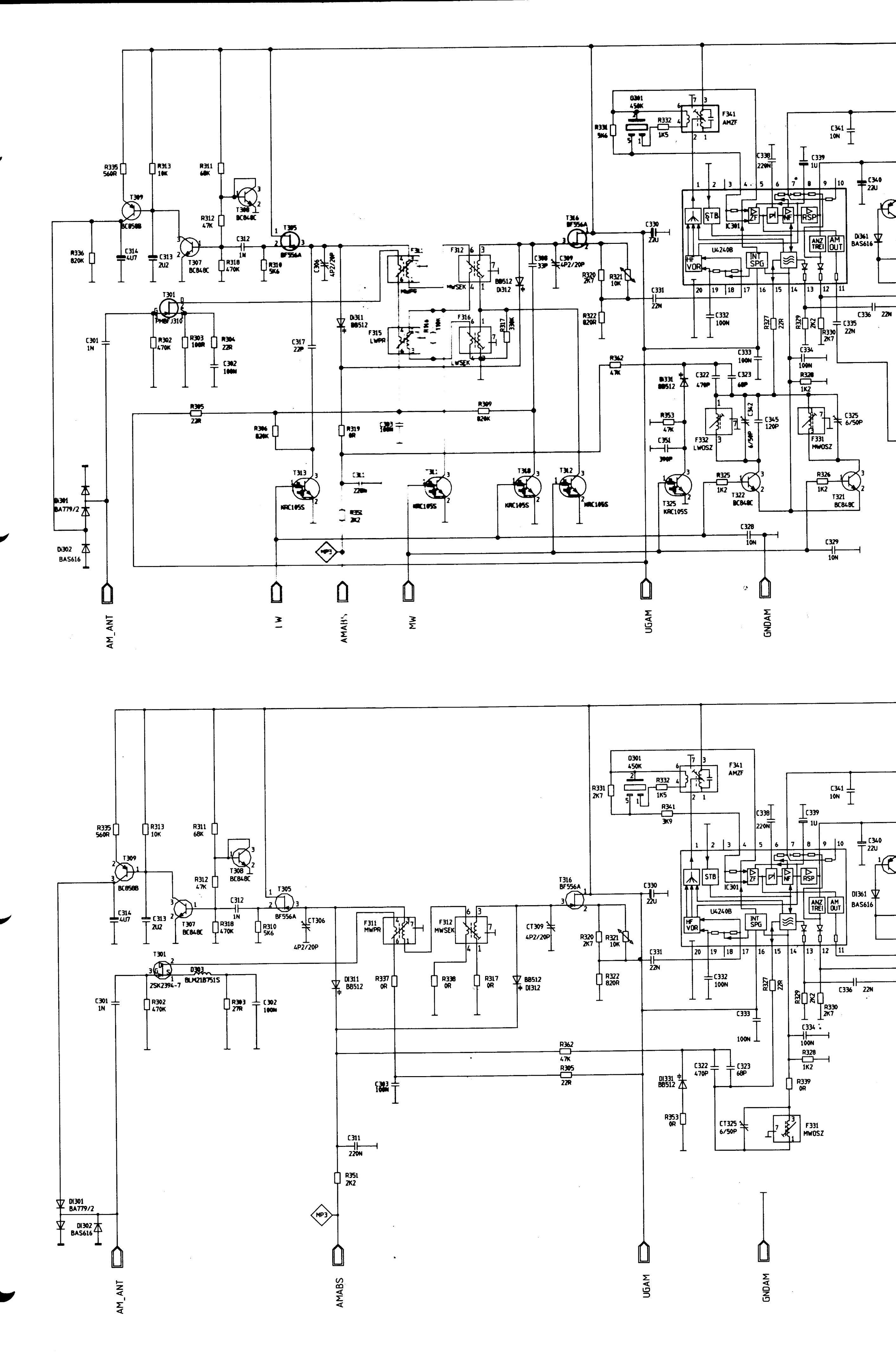


steuerung CC /
n Control CC
Layout see page 3
IC731
CXA1102M
REC I2
GND
PBI2
IREF
REC/PB
LINEO2
TC2
RECO2
RECI1
VCC
PBI1
1/2VCC
ON/OFF
LINEO1
TC1
RECO1
nc
C702
2U2
R721
43K
C701
U68
10K
P701
P721
10K
C722
2U2
C723
100U
C721
U68
NFCAS
NFCCL
NFCCR
POWER
POWER
UG5V
UG8V5
UG8V5
R731
10R
C731
100U
ST721
MSDET
OFAST
GNDNF
NFCLL
NFCLR
METAL
RWQFW
UG8V5
CASIN
CAMOT
MOTFW
EJECT
SLAUF
GNDC
UDCAS
ANDET
PLAY
RUNDE
CASDO
R744
22K
R726
1K
C727
100U
R725
D1721
1N4148W
R745
560R
R746
68K
UDCAS
C741
100N
VCC
GND
16

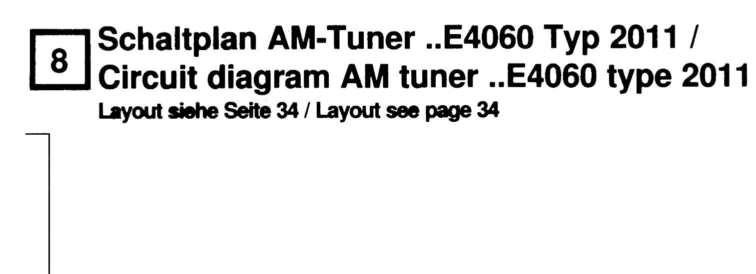
7 Schaltplan Ansteuerung CC / Circuit diagram Control CC

Layout siehe Seite 3 / Layout see page 3



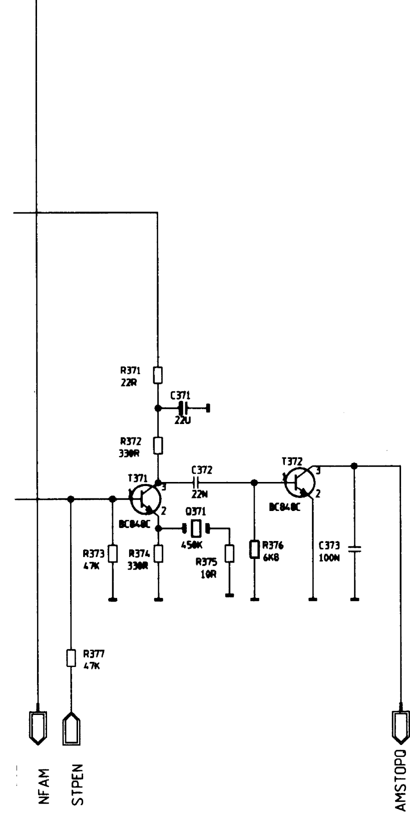


AM_ANT
LW
AMABS
MW
UGAM
GNDAM
U4240B
AM_ANT
AMABS
UGAM
GNDAM



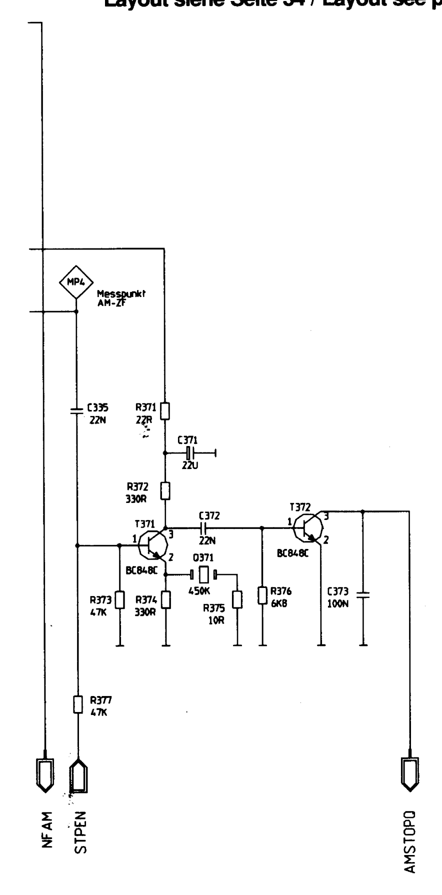
8 Schaltplan AM-Tuner ..E4060 Typ 2011 / Circuit diagram AM tuner ..E4060 type 2011

Layout siehe Seite 34 / Layout see page 34



8 Schaltplan AM-Tuner ..E4060 Typ 2010 / Circuit diagram AM tuner ..E4060 type 2010

Layout siehe Seite 34 / Layout see page 34



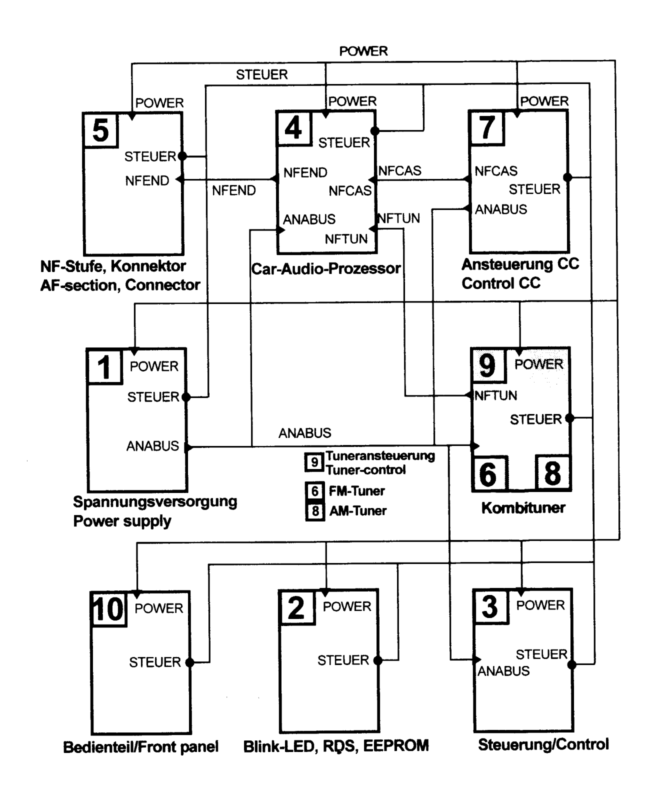
9 Kombituner-Ansteuerung / Combined tuner-control

Layout siehe Seite 3 / Layout see page 3

entfällt bei Typ 2011 / cancelled at type 2011

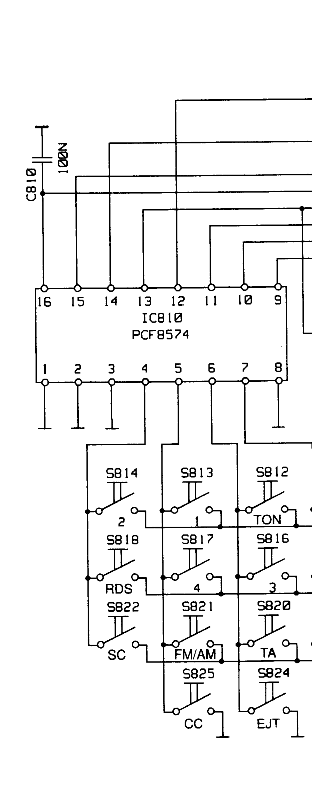
Kombi-tuner ..E4060

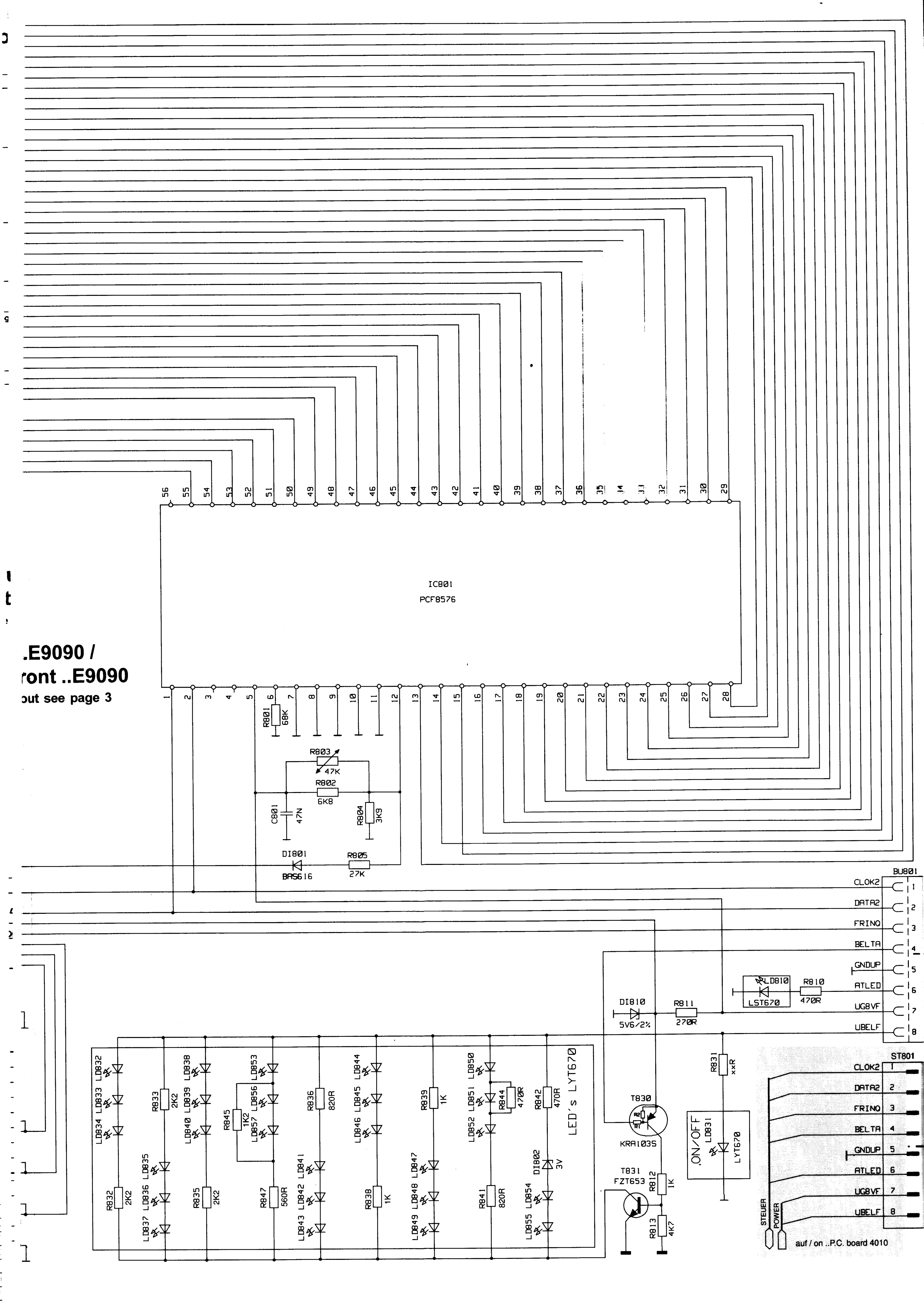
ANABUS
FMQUAL
STEUER
NFTUN
FMCFS
FMZFS
FM1FS
AMFST
AMSTOPO
POWER
UG8V5
UG10V
UG5V
FMSTOP
MPX
MUPAO
NFAM
DATA1
CLOK1
T500 BC848C
T501 BC848C
C500 4U7
R500 22K
R509 470R
C509 10N
R501 560K
R502 47K
C501 470P
C502 1N
R505 3K9
R506 47K
C503 33N
C504 220N
D502 47U
C506 47U
R507 15K
R508 39K
C505 10N
CHASSIS
NC2
MPX
ZFADI
FM1FS
MUPAO
UGFM
GNDFM
AMFST
AMSTOPO
UGAM
NFAM
DATA1
CLOK1
UG8TUN
UGSYM
UG5TUN
GNDAM
NC1
ST1
ANT
FM-TUNER 6
AMSUL
MW
LW
STPEN
AMOSZ
AMABS
AM_ANT
UGAM
AMFST
AMSTOPO
NFAM
GNDAM
AM-TUNER 8
LCD1690
DP801



10 Schaltplan Fro… / Circuit diagra…

Layout siehe Seite 3





IC801
PCF8576
.E9090 /
ront ..E9090
out see page 3
R801 68K
R803 47K
R802 6K8
C801 47N
R804 3K9
DI801 BAS616
R805 27K
BU801
CLOK2
DATA2
FRINO
BELTA
GNDUP
ATLED
UG8VF
UBELF
LD810 LST670
R810 470R
DI810 5V6/2%
R811 270R
R831 xxR
T830 KRA103S
T831 FZT653
R812 1K
R813 4K7
ON/OFF
LD831 LYT670
LED's LYT670
R832 2K2
R833 2K2
R835 2K2
R845 1K2
R847 560R
R836 820R
R838 1K
R839 1K
R844 470R
R841 820R
R842 470R
DI802 3V
ST801
STEUER
POWER
auf / on ..P.C. board 4010